

IN THE SPECIFICATION

The following replacement paragraph is provided in place of the original paragraph starting at page 6, 10 lines from the page bottom, and extending to page 7, line 2.

The patient (or another person such as a physician) is given instructions as to how to draw, on a human body image, the locations where the subjective sensation of pain is felt by the patient. A drawing device such as a pen is used to identify a continuous outline for each pain shape. This marked-up drawing is digitized and computer-coregistered with a non-marked-up drawing. The computer then performs a digital extraction procedure to automatically identify the pain shapes recorded by the patient. The computer automatically calculates a number of clinically relevant measures, e.g., pain shapes, centroids and meta-centroids, derived from the pain location data and compares this dataset with a database derived from groups of patients, each group with a different diagnosis, a different level of disease severity or a difference in another clinical characteristic so as to assign the patient to one or more of these clinical groups or levels of disease severity. A computerized image is generated displaying the pain shapes for the patient together with other clinical data such as possible diagnoses or suggested therapies.